ELSEVIER

Journal of Electroanalytical Chemistry 422 (1997) 209

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Author index

Almeida, C.M.V.B. 185
Amatore, C. 125

Ballinger, T.H. 197
Bertagna, V. 115
Bertrand, P. 61
Biloul, A. 61
Bortels, L. 161

Camacho, L. 55
Chaparro, A.M. 35
Chemla, M. 115
Chen, H.-Y. 21
Contamin, O. 61

Dall'Antonia, L.H. 149
Deconinck, J. 161
Degrand, C. 7
Dong, S. 27

Ehara, K. 133

Fang, H.-Q. 21

Gao, X. 169
García-Jareño, J.J. 91
Giannetti, B.F. 185
Gómez, E. 139
González, J. 55
Gouérec, P. 61

Hagans, P.L. 197
Hapiot, P. 99
Hyk, W. 179

Jerkiewicz, G. 1, 149
Jutand, A. 125

Kawai, T. 133
Kuwabata, S. 45

Lamberts, L. 77
Lee, J. 169
Li, F. 27
Limoges, B. 7

Marín, M. 139
Medeiros, M.J. 125
Mir, A. 35
Molina, A. 55
Moo Lee, Y. 133
Moreno, C. 191
Mottier, L. 125

Nakajima, K. 133
Navarro-Laboulais, J. 91
Neudeck, A. 99
Novi, M. 99

Ohtani, M. 45

Pajkossy, T. 13
Petrillo, G. 99
Pinson, J. 99
Plougonven, C. 115

Rabockai, T. 185
Ragsdale, S.R. 169
Riga, J. 61

Rouelle, F. 115
Rubasingham, L. 197
Ruiz, J.J. 55
Russell, A.E. 197

Salvador, P. 35
Sanz, F. 139
Savy, M. 61
Scarbeck, G. 61
Serna, C. 55
Stojek, Z. 179

Tavani, C. 99
Tremiliosi-Filho, G. 149
Trijueque, J. 91

Valiente, M. 191
Vallés, E. 139
Van den Bossche, B. 161
Vicente, F. 91

Walcarius, A. 77
Wang, E. 27
Weng, L.T. 61
White, H.S. 169

Xu, J.-J. 21

Yoneyama, H. 45

Zhang, B. 27
Zhou, D.-M. 21
Zolfaghari, A. 1

ELSEVIER

Journal of Electroanalytical Chemistry 422 (1997) 211–213

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Subject index

Active charcoal
Oxygen reduction in acid media catalysed by heat treated cobalt tetraazaannulene supported on an active charcoal: correlations between the performances after longevity tests and the active site configuration as seen by XPS and ToF-SIMS (Gouérec et al.) 61
Amalgamation
Multiple potential step at an SMDE in the absence/presence of amalgamation (Camacho et al.) 55
Analytical solution
Analytical solution for the steady-state diffusion and migration. Application to the identification of Butler–Volmer electrode reaction parameters (Bortels et al.) 161
Anion adsorption
New findings on hydrogen and anion adsorption at a Pt(111) electrode in aqueous H_2SO_4 solution generated by temperature variation (Zolfaghari, Jerkiewicz) 1
Aqueous electrolyte
Hydration of ions in aqueous electrolyte solutions studied by differential thermal analysis at low temperatures (Kawai et al.) 133
Arylazosulfides
The electrocatalytic stereomutation of arylazosulfides. A spectroelectrochemical investigation (Hapiot et al.) 99
Au electrode
Limit to extent of formation of the quasi-two-dimensional oxide state on Au electrodes (Tremiliosi-Filho et al.) 149

Carbon substrates
Nano- and micrometric approaches to cobalt electrodeposition on carbon substrates (Gómez et al.) 139
Charge transfer
Multiple potential step at an SMDE in the absence/presence of amalgamation (Camacho et al.) 55
Chronoamperometry
Chronoamperometry of uncharged species under the conditions of deficiency of supporting electrolyte: experiment versus theory (Hyk, Stojek) 179
Cobalt
Nano- and micrometric approaches to cobalt electrodeposition on carbon substrates (Gómez et al.) 139
Cobalt tetraazaannulene
Oxygen reduction in acid media catalysed by heat treated cobalt tetraazaannulene supported on an active charcoal: correlations between the performances after longevity tests and the active site configuration as seen by XPS and ToF-SIMS (Gouérec et al.) 61
Composite electrodes
Ohmic drop effect on the voltammetric behaviour of graphite + polyethylene composite electrodes (Navarro-Laboulais et al.) 91
Convolution
Ohmic drop effect on the voltammetric behaviour of graphite + polyethylene composite electrodes (Navarro-Laboulais et al.) 91
Corrosion
Kinetics of electrochemical corrosion of silicon wafers in dilute HF solutions (Bertagna et al.) 115
Cyclic voltammetry
Voltammetric response of the hexammino–ruthenium complex incorporated in zeolite-modified carbon paste electrode (Walcarius, Lamberts) 77

Diffusion-controlled electrode process
Potential program invariant representation of voltammetric measurement results of reversible redox couples (Pajkossy) 13
DTA
Hydration of ions in aqueous electrolyte solutions studied by differential thermal analysis at low temperatures (Kawai et al.) 133

Electrocatalysis
Electrocatalytic oxidation of hydrogen peroxide by nitroxyl radicals (Limoges, Degrand) 7
Oxygen reduction in acid media catalysed by heat treated cobalt tetraazaannulene supported on an active charcoal: correlations between the performances after longevity tests and the active site configuration as seen by XPS and ToF-SIMS (Gouérec et al.) 61
The electrocatalytic stereomutation of arylazosulfides. A spectroelectrochemical investigation (Hapiot et al.) 99
Electrocatalytic oxidation of NADH at a gold electrode modified by thionine covalently bound to self-assembled cysteamine monolayers (Chen et al.) 21
Electrochemistry
Kinetics of electrochemical corrosion of silicon wafers in dilute HF solutions (Bertagna et al.) 115
Electrochemical study of perchlorate reduction at tin electrodes (Almeida et al.) 185
Electrodeposition
Nano- and micrometric approaches to cobalt electrodeposition on carbon substrates (Gómez et al.) 139
Electron transfer mechanism
Voltammetric response of the hexammino–ruthenium complex incorporated in zeolite-modified carbon paste electrode (Walcarius, Lamberts) 77

Faradaic reactions
Magnetic field control of the potential distribution and current at microdisk electrodes (Lee et al.) 169
Far-infrared spectroscopy
Thin layer effects in in situ far-infrared spectroscopy (Russell et al.) 197
Ferrocene
Chronoamperometry of uncharged species under the conditions of deficiency of supporting electrolyte: experiment versus theory (Hyk, Stojek) 179

Gold electrode
Electrocatalytic oxidation of NADH at a gold electrode modified by thionine covalently bound to self-assembled cysteamine monolayers (Chen et al.) 21

Graphite
Ohmic drop effect on the voltammetric behaviour of graphite + polyethylene composite electrodes (Navarro-Laboulais et al.) 91
Growth kinetics
Limit to extent of formation of the quasi-two-dimensional oxide state on Au electrodes (Tremiliosi-Filho et al.) 149

Hexammino–ruthenium
Voltammetric response of the hexammino–ruthenium complex incorporated in zeolite-modified carbon paste electrode (Walcarius, Lamberts) 77
HOPG electrode
In situ scanning tunneling microscopy studies of nanometer size palladium particles on highly oriented pyrolytic graphite (Li et al.) 27
Hydration
Hydration of ions in aqueous electrolyte solutions studied by differential thermal analysis at low temperatures (Kawai et al.) 133
Hydrofluoric acid
Kinetics of electrochemical corrosion of silicon wafers in dilute HF solutions (Bertagna et al.) 115
Hydrogen
Kinetics of electrochemical corrosion of silicon wafers in dilute HF solutions (Bertagna et al.) 115
Hydrogen peroxide
Electrocatalytic oxidation of hydrogen peroxide by nitroxyl radicals (Limoges, Degrand) 7
Hydrogen under-potential deposition
New findings on hydrogen and anion adsorption at a Pt(111) electrode in aqueous H_2SO_4 solution generated by temperature variation (Zolfaghari, Jerkiewicz) 1

Impedance spectroscopy
Characterization of a solid supported liquid membrane for lanthanide transport by impedance spectroscopy (Moreno, Valiente) 191

Kinetics
Electrochemical oxidation of reduced nicotinamide coenzymes at Au electrodes modified with phenothiazine derivative monolayers (Ohtani et al.) 45
Analytical solution for the steady-state diffusion and migration. Application to the identification of Butler–Volmer electrode reaction parameters (Bortels et al.) 161

Lanthanide transport
Characterization of a solid supported liquid membrane for lanthanide transport by impedance spectroscopy (Moreno, Valiente) 191
Liquid membrane characterization
Characterization of a solid supported liquid membrane for lanthanide transport by impedance spectroscopy (Moreno, Valiente) 191

Magnetic field effects
Magnetic field control of the potential distribution and current at microdisk electrodes (Lee et al.) 169
Mechanism
Mechanism of the electrochemical oxidation of zero valent palladium complexes (Amatore et al.) 125
Microelectrodes
Ohmic drop effect on the voltammetric behaviour of graphite + polyethylene composite electrodes (Navarro-Laboulais et al.) 91
Migration
Chronoamperometry of uncharged species under the conditions of deficiency of supporting electrolyte: experiment versus theory (Hyk, Stojek) 179
Monolayer
Electrochemical oxidation of reduced nicotinamide coenzymes at Au electrodes modified with phenothiazine derivative monolayers (Ohtani et al.) 45

NADH
Electrocatalytic oxidation of NADH at a gold electrode modified by thionine covalently bound to self-assembled cysteamine monolayers (Chen et al.) 21
NADH oxidation
Electrochemical oxidation of reduced nicotinamide coenzymes at Au electrodes modified with phenothiazine derivative monolayers (Ohtani et al.) 45
Nitroxide-loaded carbon paste
Electrocatalytic oxidation of hydrogen peroxide by nitroxyl radicals (Limoges, Degrand) 7
Nitroxyl radicals
Electrocatalytic oxidation of hydrogen peroxide by nitroxyl radicals (Limoges, Degrand) 7
Numerical transformation
Potential program invariant representation of voltammetric measurement results of reversible redox couples (Pajkossy) 13

Ohmic drop
Ohmic drop effect on the voltammetric behaviour of graphite + polyethylene composite electrodes (Navarro-Laboulais et al.) 91
Chronoamperometry of uncharged species under the conditions of deficiency of supporting electrolyte: experiment versus theory (Hyk, Stojek) 179
Oxidation
Mechanism of the electrochemical oxidation of zero valent palladium complexes (Amatore et al.) 125
Oxide films
Limit to extent of formation of the quasi-two-dimensional oxide state on Au electrodes (Tremiliosi-Filho et al.) 149
Oxygen reduction
Oxygen reduction in acid media catalysed by heat treated cobalt tetraazaannulene supported on an active charcoal: correlations between the performances after longevity tests and the active site configuration as seen by XPS and ToF-SIMS (Gouérec et al.) 61

Palladium
In situ scanning tunneling microscopy studies of nanometer size palladium particles on highly oriented pyrolytic graphite (Li et al.) 27
Palladium complexes
Mechanism of the electrochemical oxidation of zero valent palladium complexes (Amatore et al.) 125
Perchlorate
Electrochemical study of perchlorate reduction at tin electrodes (Almeida et al.) 185
Phenothiazine derivatives
Electrochemical oxidation of reduced nicotinamide coenzymes at Au electrodes modified with phenothiazine derivative monolayers (Ohtani et al.) 45
Photoelectrochemistry
Localized photoelectrochemical etching with micrometric lateral resolution on transition metal diselenide photoelectrodes (Chaparro et al.) 35
Planar electrodes
Analytical solution for the steady-state diffusion and migration. Application to the identification of Butler–Volmer electrode reaction parameters (Bortels et al.) 161
Polyethylene
Ohmic drop effect on the voltammetric behaviour of graphite + polyethylene composite electrodes (Navarro-Laboulais et al.) 91
Potential program invariant representation
Potential program invariant representation of voltammetric measurement results of reversible redox couples (Pajkossy) 13
Potential step
Multiple potential step at an SMDE in the absence/presence of amalgamation (Camacho et al.) 55

Pt(111)
New findings on hydrogen and anion adsorption at a Pt(111) electrode in aqueous H_2SO_4 solution generated by temperature variation (Zolfaghari, Jerkiewicz) 1

Reduction
Electrochemical study of perchlorate reduction at tin electrodes (Almeida et al.) 185

Self-assembly
Electrocatalytic oxidation of NADH at a gold electrode modified by thionine covalently bound to self-assembled cysteamine monolayers (Chen et al.) 21
Electrochemical oxidation of reduced nicotinamide coenzymes at Au electrodes modified with phenothiazine derivative monolayers (Ohtani et al.) 45
Silicon
Kinetics of electrochemical corrosion of silicon wafers in dilute HF solutions (Bertagna et al.) 115
SMSC technique
Localized photoelectrochemical etching with micrometric lateral resolution on transition metal diselenide photoelectrodes (Chaparro et al.) 35
Solvation
Hydration of ions in aqueous electrolyte solutions studied by differential thermal analysis at low temperatures (Kawai et al.) 133
Spectroelectrochemistry
The electrocatalytic stereomutation of arylazosulfides. A spectroelectrochemical investigation (Hapiot et al.) 99
Stagnant boundary layer
Analytical solution for the steady-state diffusion and migration. Application to the identification of Butler–Volmer electrode reaction parameters (Bortels et al.) 161
Static mercury drop electrode
Multiple potential step at an SMDE in the absence/presence of amalgamation (Camacho et al.) 55
Stereomutation
The electrocatalytic stereomutation of arylazosulfides. A spectroelectrochemical investigation (Hapiot et al.) 99
STM
In situ scanning tunneling microscopy studies of nanometer size palladium particles on highly oriented pyrolytic graphite (Li et al.) 27
Support ratio
Chronoamperometry of uncharged species under the conditions of deficiency of supporting electrolyte: experiment versus theory (Hyk, Stojek) 179

Temperature effect
New findings on hydrogen and anion adsorption at a Pt(111) electrode in aqueous H_2SO_4 solution generated by temperature variation (Zolfaghari, Jerkiewicz) 1
Thin layer effects
Thin layer effects in in situ far-infrared spectroscopy (Russell et al.) 197
Thionine
Electrocatalytic oxidation of NADH at a gold electrode modified by thionine covalently bound to self-assembled cysteamine monolayers (Chen et al.) 21
Tin electrode
Electrochemical study of perchlorate reduction at tin electrodes (Almeida et al.) 185
ToF-SIMS
Oxygen reduction in acid media catalysed by heat treated cobalt tetraazaannulene supported on an active charcoal: correlations between the performances after longevity tests and the active site configuration as seen by XPS and ToF-SIMS (Gouérec et al.) 61
Transition metal diselenides
Localized photoelectrochemical etching with micrometric lateral resolution on transition metal diselenide photoelectrodes (Chaparro et al.) 35
Transport
Analytical solution for the steady-state diffusion and migration. Application to the identification of Butler–Volmer electrode reaction parameters (Bortels et al.) 161

Valence
Mechanism of the electrochemical oxidation of zero valent palladium complexes (Amatore et al.) 125
Voltammetric measurements
Potential program invariant representation of voltammetric measurement results of reversible redox couples (Pajkossy) 13

Water structure
Hydration of ions in aqueous electrolyte solutions studied by differential thermal analysis at low temperatures (Kawai et al.) 133

XPS
In situ scanning tunneling microscopy studies of nanometer size palladium particles on highly oriented pyrolytic graphite (Li et al.) 27
Oxygen reduction in acid media catalysed by heat treated cobalt tetraazaannulene supported on an active charcoal: correlations between the performances after longevity tests and the active site configuration as seen by XPS and ToF-SIMS (Gouérec et al.) 61

Zeolite-modified electrodes
Voltammetric response of the hexammino–ruthenium complex incorporated in zeolite-modified carbon paste electrode (Walcarius, Lamberts) 77